PROJECT DESCRIPTION

THIS PROJECT WILL INVOLVE THE INSTALLATION OF A TEMPORARY TRAFFIC SIGNAL FOR ONE WAY OPERATION DURING THE REHABILITATION OF THE PARSONS CREEK BRIDGE.

OPERATION

THE INTERSECTION WILL OPERATE IN A NEMA FOUR PHASE PHASE TRAFFIC-ACTUATED MODE WITH TWO PHASES BIENG ALL RED CLEARANCE PHASES BETWEEN THRU MOVEMENTS.

PROJECT CONTACTS DISTRICT 1

MR. GENE COFIELL
ASST. DIST. ENGR. TRAFFIC
410-543-6715

MR. JAMES WRIGHT
ASST. DIST. ENGR. MAINTENANCE
410-543-6715

MR. BRUCE POOLE
UTILITIES ENGR.
410-543-6715

MR. GLENN EVANS
ASST. DIST. ENGR. CONSTRUCTION
410-543-6715

CONTACTS FOR THE OFFICE OF TRAFFIC

MR. RICHARD DAFF
CHIEF TRAFFIC OPERATIONS
410-787-7630

MR. ED RODENHIZER
TEAMLEADER SIGNAL OPERATION
410-787-7650

MR. EUGENE BAILEY
TEAMLEADER SIGN OPERATIONS
410-787-7676

MS. DARLENE EIDE
SUPPLY OFFICER SIGNAL WAREHOUSE
410-787-7666

EQUIPMENT LIST A

A. EQUIPMENT TO BE SUPPLIED BY SHA

Code	Description	Unit	Spec
963010	FOUR CHANNEL LOOP DETECTOR AMPLIFIER, ROCK MOUNT	1 EA	816
900000	USED NEMA SIZE 6 BASE MOUNTED CABINET AND CONTROLLER	1 EA	

EQUIPMENT LIST B

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

Code	Description	Unit	Spec
120500	MAINTENANCE OF TRAFFIC	1 LS	104
585624	24 INCH HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS	30 LF	556
800000	REMOVE AND DISPOSE OF EXISTING SIGNAL EQUIPMENT	1 LS	
800000	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 10 AWG)	1050 LF	810
800000	50 CLASS 2 WOOD POLE 50 FOOT	9 EA	
802501	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE	30 LF	810
805125	2 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED	110 LF	805
805135	3 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED	40 LF	805
805160	1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE	10 LF	805
807400	ELECTRICAL UTILITY SERVICE EQUIPMENT 120/240 VOLTS 60 AMPS	1 EA	807
811001	FURNISH AND INSTALL ELECTRICAL HANDHOLE	4 EA	
831010	250 WATT HIGH PRESSURE SODIUM LAMP AND LUMINAIRE	2 EA	806
832016	"CABLE - 1 CONDUCTOR, NO 6 AWG, TYPE USE, 600V"	150 LF	810
833050	"2 INCH DIAMETER POLYVINYL CHLORIDE CONDUIT, SCHEDULE 80, RISER"	60 LF	805
860272	12 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION	12 EA	814
861104	ELECTRICAL CABLE - 2 CONDUCTOR (ALUMINUM SHIELDED)	1650 LF	810
861107	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)	550 LF	810
861116	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 12 AWG)	1600 LF	810
862101	LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 AWG)	1000 LF	810
862102	SAW CUT FOR SIGNAL (LOOP DETECTOR)	250 LF	815
866103	15 FOOT LIGHTING ARM ON SIGNAL STRUCTURE	2 EA	818
869101	STEEL SPAN WIRE -1/4 INCH DIAMETER	1400 LF	819
869102	STEEL SPAN WIRE -3/8 INCH DIAMETER	150 LF	819
871202	INSTALL CONTROLLER AND CABINET - BASE MOUNT	1 EA	816

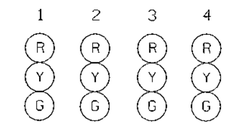
EQUIPMENT LIST

C. EQUIPMENT TO BE REMOVED AND RETURNED TO THE STATE HIGHWAY ADMINISTRATION, 7491 CONNELLEY DRIVE, HANOVER, MARYLAND 21076

NONE

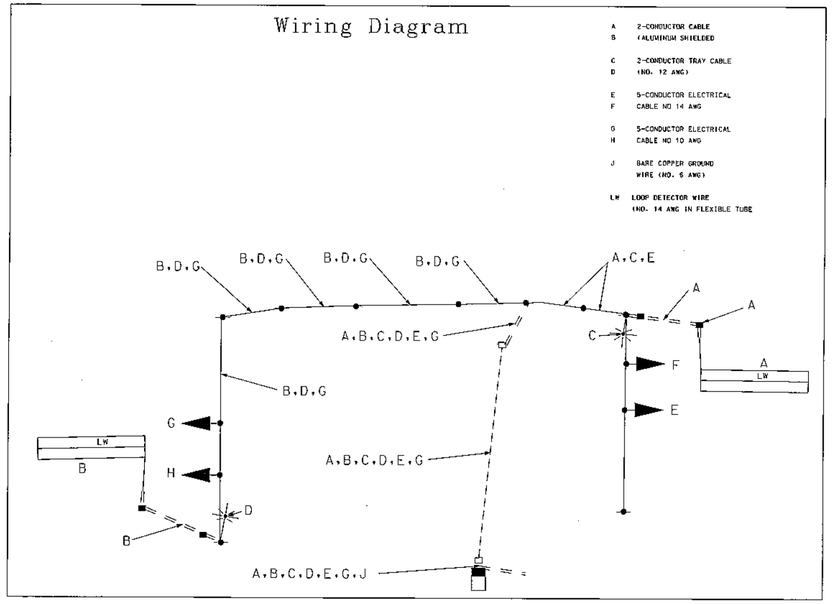
NOTE: THE SIGNAL SHOP SHALL REMOVE THE CONTRAOLLER AND ALL NECESSARY EQUIPMENT FROM THE CABINET THE CABINET AND ALL SIGNAL EQUIPMENT TO BE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR

PHASE SEQUENCE CHART



PHASE 1 (ALL RED CLEARANCE)	R	R	R	R	
PHASE 2	G	G	R	R	→
PHASE 2 CHANGE	Y	Y	R	R	
PHASE 3 (ALL RED CLEARANCE)	R	R	R	R	
PHASE 4	R	R	G	G	←
PHASE 4 CHANGE	R	R	Y	Y	
Flashing Operation	FL/R	FL/R	FL/R	FL/R	← − + / + − →

Wiring Diagram



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

MD 16 OVER PARSONS CREEK
BRIDGE # 9003

DRAWN BY: JEFF HENKEL	F.A.P. NO.		TS NO. 3064A	SHEET NO.
CHECKED BY: MAR	S.H.A. NO.	DO 5705180		
SCALE: 1"=20'	COUNTY:	DORCHESTER	T.I.M.S. NO. E900	OF
DATE: JUNE 2003	LOG MILE:	09001602.49		